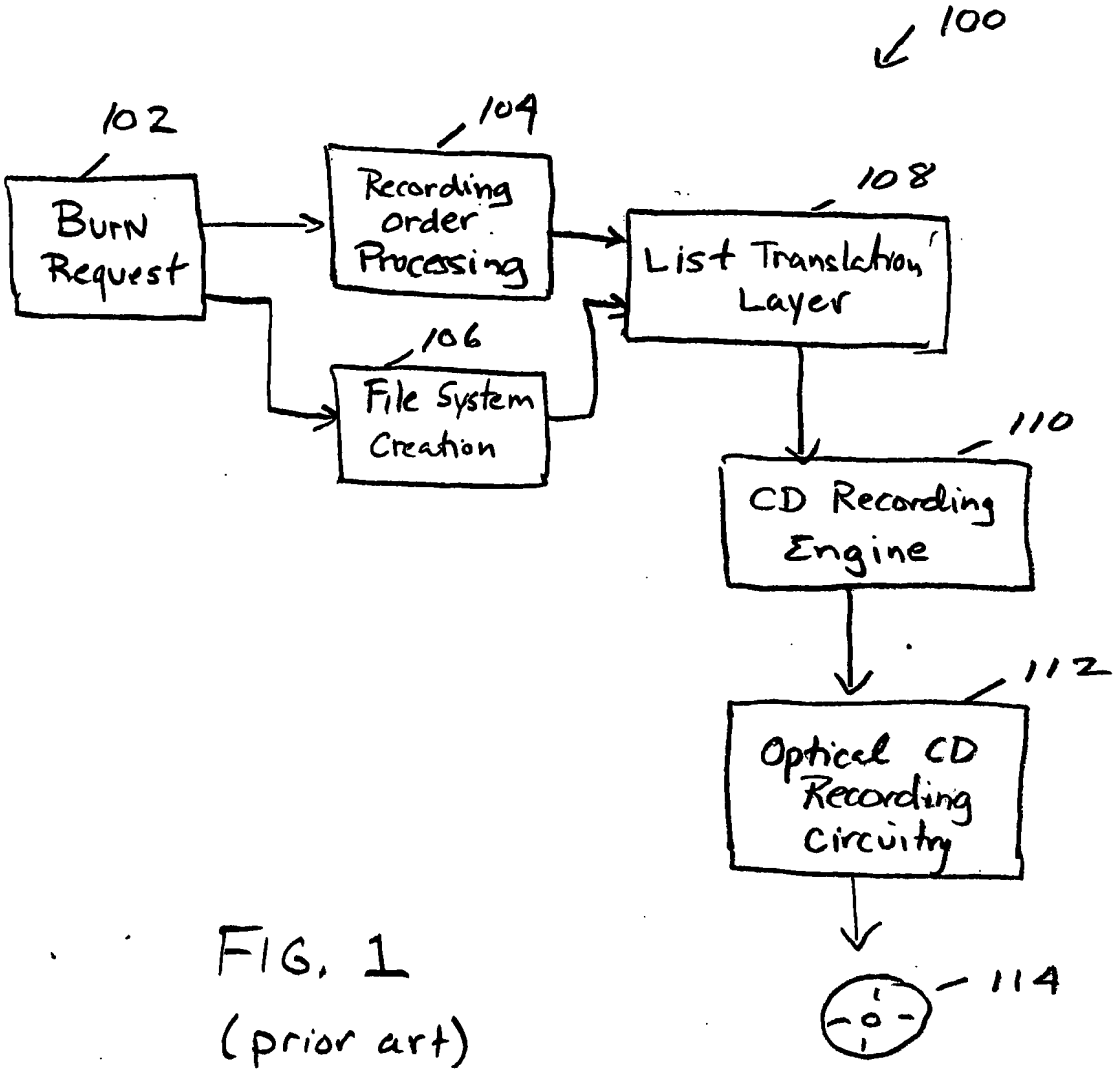

FIG. 1
(prior art)

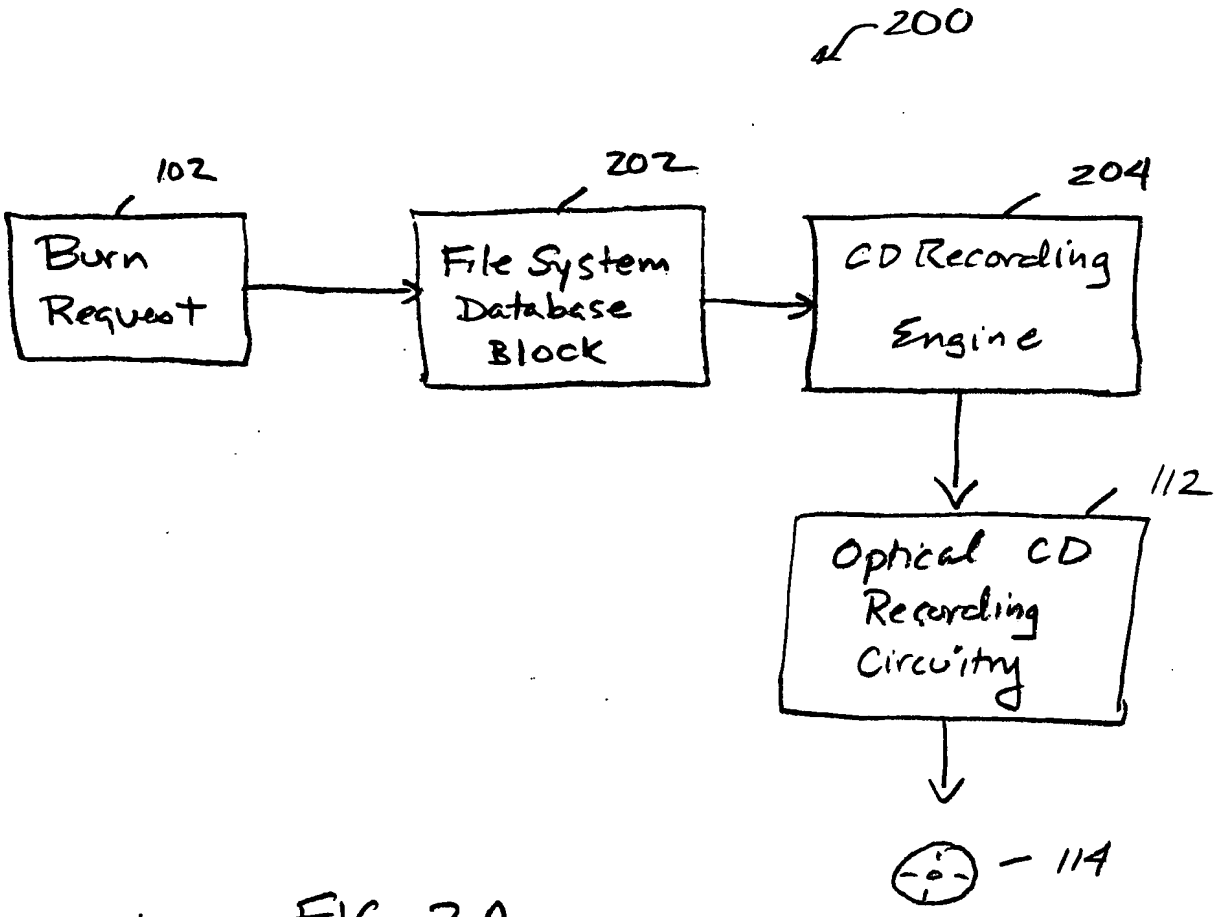
200
102
Burn Request
202
File System Database Block
204
CD Recording Engine
112
Optical CD Recording Circuitry
114

FIG. 2A

Record Data Structure

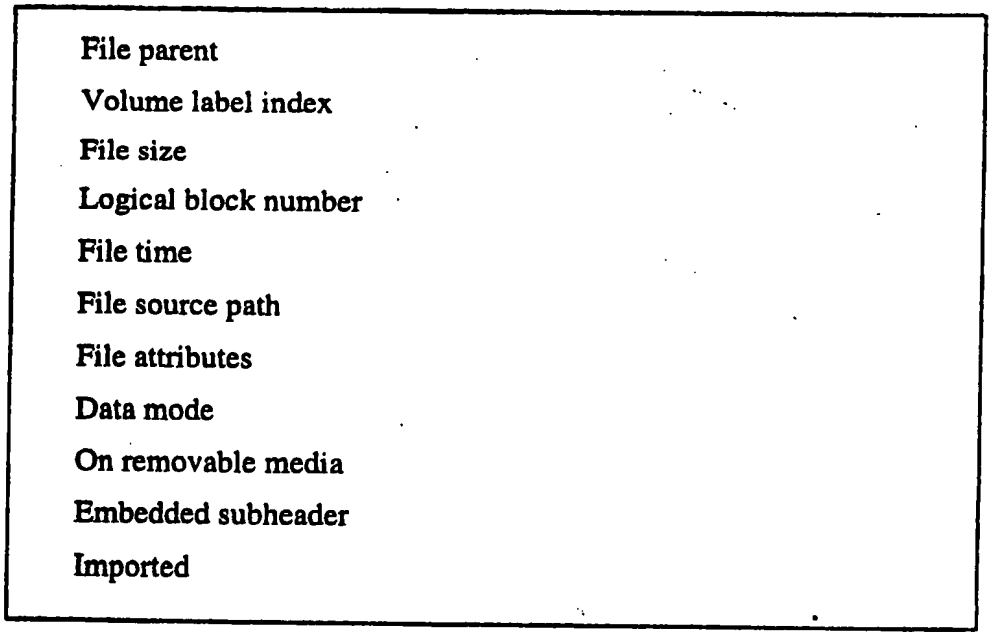

Fig. 2B

Ordering Data Structure

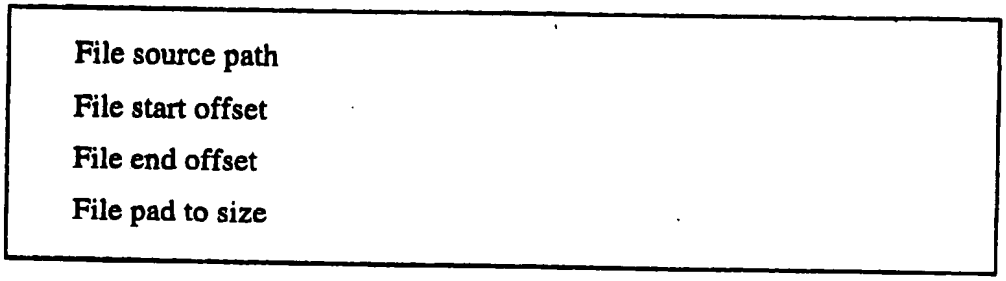

Fig. 3

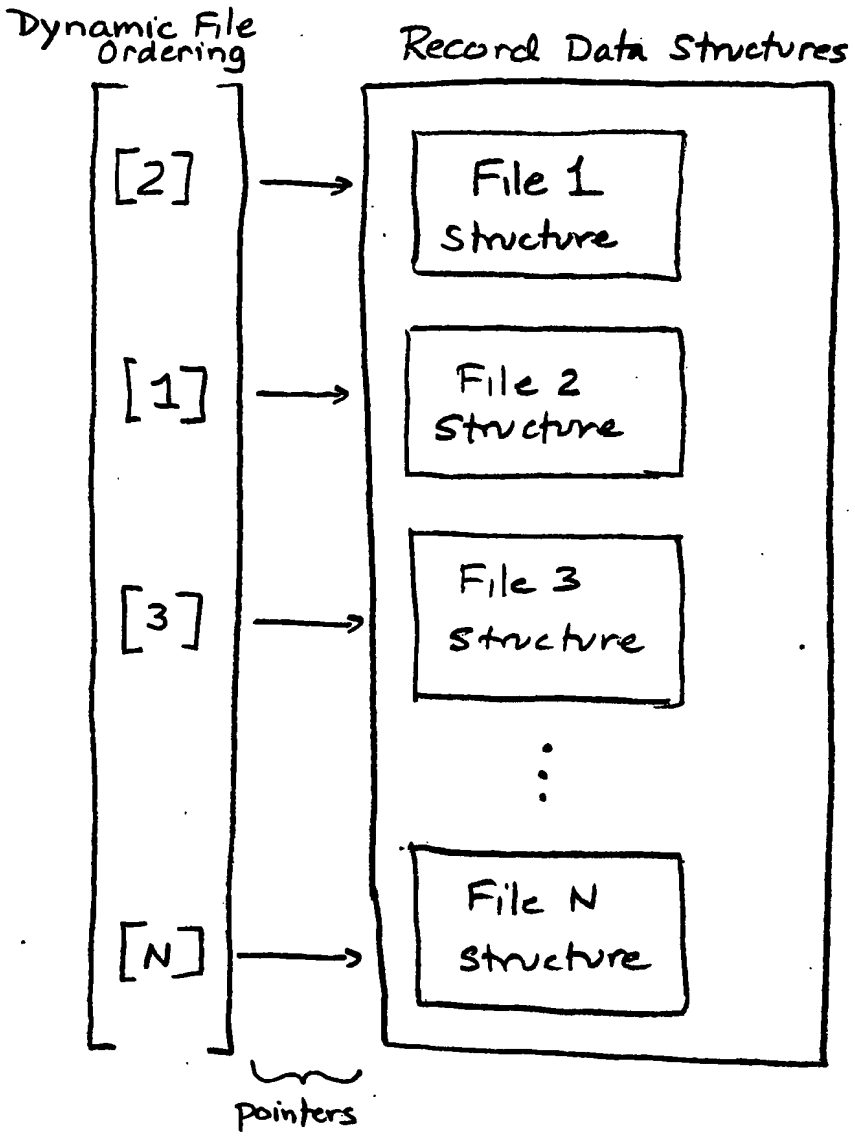
Dynamic File Ordering
Record Data Structures
[2]
[1]
[3]
[N]
File 1 Structure
File 2 Structure
File 3 Structure
File N Structure
pointers

FIG. 2C

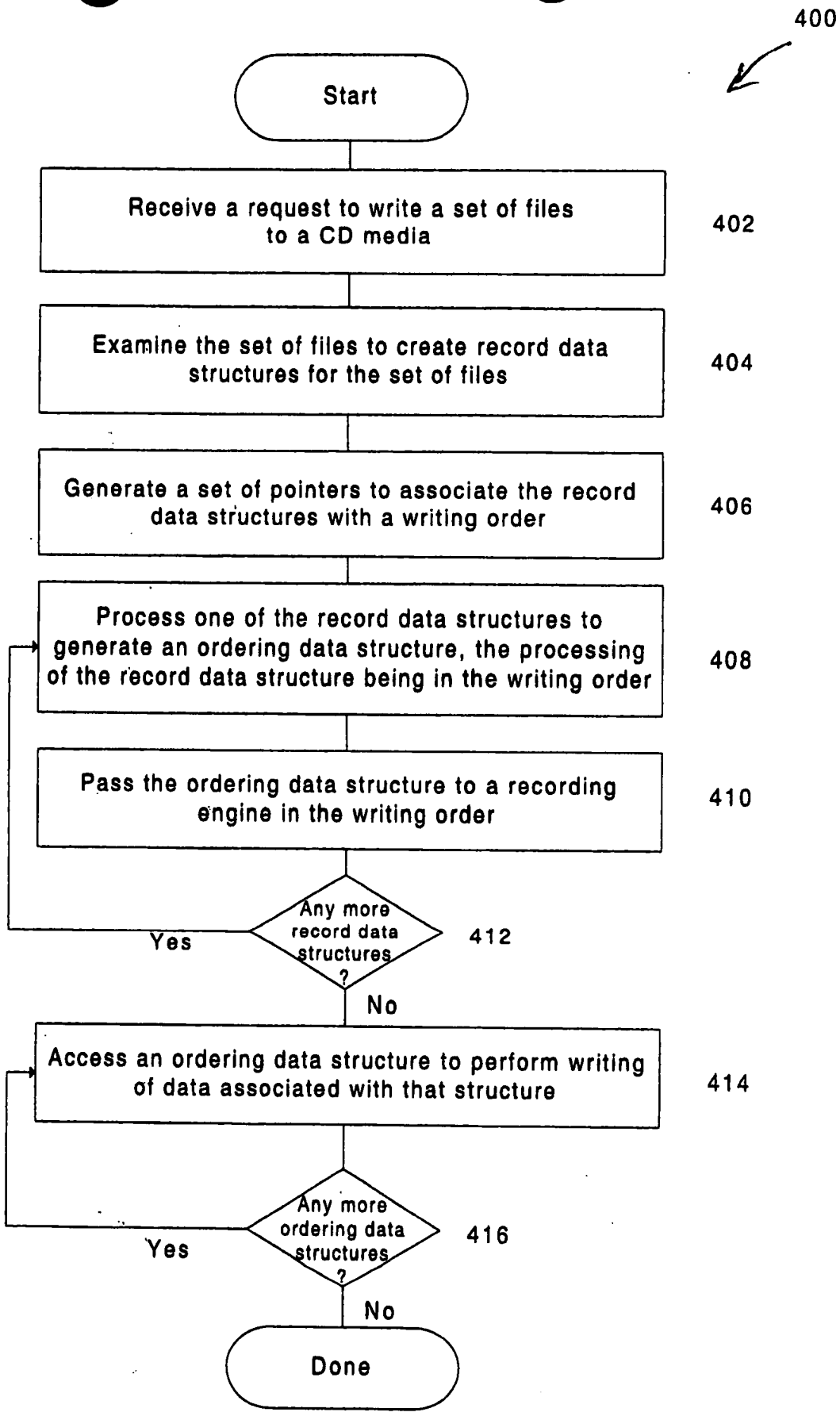
400
Start
Receive a request to write a set of files to a CD media
402
Examine the set of files to create record data structures for the set of files
404
Generate a set of pointers to associate the record data structures with a writing order
406
Process one of the record data structures to generate an ordering data structure, the processing of the record data structure being in the writing order
408
Pass the ordering data structure to a recording engine in the writing order
410
Any more record data structures ?
412
Yes
No
Access an ordering data structure to perform writing of data associated with that structure
414
Any more ordering data structures ?
416
Yes
No
Done

Fig. 4

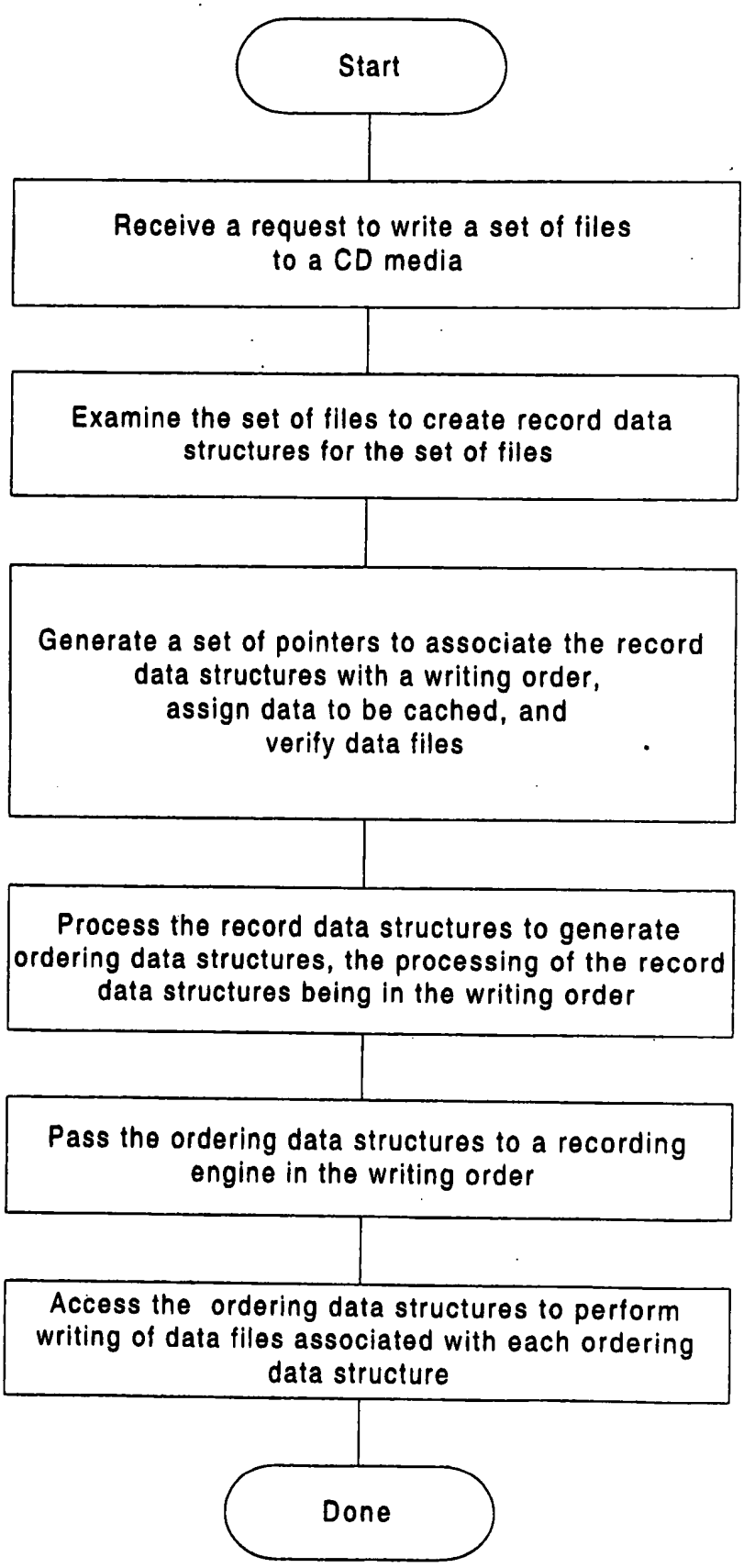
500
Start
Receive a request to write a set of files to a CD media
502
Examine the set of files to create record data structures for the set of files
504
Generate a set of pointers to associate the record data structures with a writing order, assign data to be cached, and verify data files
506
Process the record data structures to generate ordering data structures, the processing of the record data structures being in the writing order
508
Pass the ordering data structures to a recording engine in the writing order
510
Access the ordering data structures to perform writing of data files associated with each ordering data structure
512
Done

Fig. 5